NoVus

IP Motor-zoom Camera with video content analysis based on Deep Learning

NVIP-4H-6522M/F





KEY FEATURES





















- •Resolution: 4 MPX
- •Lens: motorized, auto-iris and auto-focus function, f=2.8 \sim 12 mm/F1.4
- Human/Vehicle Object Classification
- •D/N function IR cut filter
- •Video content analysis based on Deep Learning
- •microSD card support
- •WDR with double scan sensor
- •Min. Illumination: 0.004 lx (0 lx, IR on)
- \bullet IR LED, range up to 70 m $\,$

DIMENSIONS



The camera is dedicated to work with NOVUS 6000 series recorders. Detailed data can be found in the compatibility table available in the $\ensuremath{\mathsf{DOWNLOADABLE}}$ FILES tab.

IMAGE

IMAGE	
Image Sensor	4 MPX CMOS sensor 1/3" SmartSens
Number of Effective Pixels	2592 (H) x 1520 (V)
Min. Illumination	0.004 lx/F1.4 - color mode • 0 lx (IR on) - B/W mode
Electronic Shutter	auto/manual: 1/3 s ~ 1/100000 s
Digital Slow Shutter (DSS)	up to 1/3 s
Wide Dynamic Range (WDR)	yes (double scan sensor), 120dB
Digital Noise Reduction (DNR)	2D, 3D
Defog Function (F-DNR)	yes
Highlight Compensation (HLC)	yes
Back Light Compensation (BLC)	yes
Reduction of image flicker (Antiflicker)	yes

LENS

Lens Type	motorized, auto-iris function, f=2.8 ~ 12 mm/F1.4
Auto-focus	zoom trigger, day/night mode trigger, manual trigger

DAY/NIGHT

Mode	day/night switching: mechanical IR cut filter
Switching Mode	auto, manual, time
Switching Level Adjustment	yes
Switching Delay	2 ~ 120 s
Switching Schedule	yes
Visible Light Sensor	yes

NETWORK

NETWORK	
Stream Resolution	2560 x 1440 (QHD), 2592 x 1520, 2304 x 1296, 1920 x 1080 (Full HD), 1280 x 720 (HD), 640 x 480 (VGA), 320 x 240 (QVGA), 480 x 240
Frame Rate	30 fps for • 60 fps for and lower resolutions
Multistreaming Mode	number of streams: 3
Video/Audio Compression	H.264, H.264+, H.264 Smart, H.265, H.265+, H.265 Smart, MJPEG/G.711
Number of Simultaneous Conne	ectionsmax. 10
Bandwidth	60 Mb/s in total



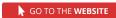




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Network Protocols Support	HTTP, TCP/IP, IPv4, IPv4/v6, UDP, HTTPS, Multicast, FTP, DHCP, DDNS, NTP, RTSP, UPnP, SNMP, QoS/DSCP, IEEE 802.1X, PPPoE, SMTP, RTCP, ICMP, Unicast, SSL/TLS
ONVIF Protocol Support	Profile G/S
Camera Configuration	from Internet Explorer browser • languages: Polish, English, Russian, and others
Compatible Software	NOVUS MANAGEMENT SYSTEM VSS, NVR-6000 Viewer
Mobile applications	SuperLive Plus (iPhone, Android)
VIDEO ANALYTICS	
Functions	tamper, abandoned object, object disappearance, line cross, zone entrance, zone exit, object counting, face detection, detection of people not wearing masks, pedestrian detection, cross counting, scene change, video blurred, video color cast, objects distinguishing, people counting, vehicle detection, vehicle counting
OTHER FUNCTIONS	
Privacy Zones	4 video mask type: single color or 1 video mask type: mosaic
Motion Detection	yes
Region of interest (ROI)	8
Image Processing	180° image rotation, sharpening, mirror effect, corridor mode, vertical flip, horizontal flip, lens distortion correction
Prealarm/Postalarm	up to 6 s/up to 120 s
System Reaction to Alarm Events	e-mail, e-mail with attachment, saving file on FTP server, saving file on SD card, alarm output activation
Restoring default settings	via web browser, using reset button, via NMS IPTool software
IR LED	
III LLD	
LED Number	4
	4 70 m
LED Number	·
LED Number Range Smart IR	70 m
LED Number Range Smart IR INTERFACES	70 m yes (software support)
LED Number Range Smart IR	70 m
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm)
LED Number Range Smart IR INTERFACES Video Output	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA)
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm)	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L)
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual)
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg
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LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure	70 m yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply	yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating 12 VDC, PoE (IEEE 802.3af, Class 3)
LED Number Range Smart IR INTERFACES Video Output Audio Input/Output Alarm Input/Output Network Interface Memory Card Slot INSTALLATION PARAMETERS Dimensions (mm) Weight Degree of Protection Enclosure Power Supply Surge protection	yes (software support) BNC, 1.0 Vp-p, 75 Ohm 1 x Jack (3.5 mm)/1 x Jack (3.5 mm) 1 (NO/NC)/1 relay type (max. 12VDC/300mA) 1 x Ethernet - RJ-45 interface, 10/100 Mbit/s microSD - capacity up to 128GB with bracket: 101 (W) x 89 (H) x 280 (L) 1.1 kg IP 67 (details in the user's manual) aluminium, white, fully cable managed wall mount bracket in-set included , IK10 impact rating 12 VDC, PoE (IEEE 802.3af, Class 3) TVS 4000 V







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The camera creates a fully functional face recognition system when used with selected NOVUS IP 6000 series recorders (models with "F" in the name).

